

Posters

- 41 Behavioral interaction between nicotine and caffeine: Effects of nicotine, caffeine, and their combination on locomotor activity
C. Cohen, H. Welzl, K. Bättig, Zürich, and Baltimore
- 42 Effects of pre- and postnatal injections of "smoking doses" of nicotine, or vehicle alone, on the maternal behavior and second generation adult behavior of Roman high- and low-avoidance rats
P. Driscoll, C. Cohen, P. Fackelman, H. P. Lipp, K. Bättig, Zürich
- 43 Alterations in septohippocampal cholinergic receptors and related behavior after early exposure to nicotine
J. Yanai, C. G. Pick, Y. Rogel-Fuchs, E. A. Zahalka, Jerusalem
- 44 Influence of neonatal nicotine exposure on development of nicotinic receptor subtypes and behavior in adult mice
X. Zhang, P. Eriksson, A. Frederiksson, A. Nordberg, Uppsala
- 45 Rearing and learning behaviors of rats after long-term administration of nicotine
K. Nagai, H. Iso, S. Miyata, Hyogo
- 46 Combined effect of nicotine and tobacco mosaic virus on dopamine receptors
A. P. Singh, P. P. Singh, Bareilly

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Session VI Behavioral Effects of Nicotine in Man

Chairmen *D. M. Warburton, Reading*
H.-W. Schlipkötter, Düsseldorf

10.30 Introduction

10.45 Putative neuroelectric correlates of smoking behavior
V. J. Knott, Ottawa

11.05 Comparative psychopharmacology: Putting nicotine in its place
I. Hindmarch, Guildford

11.25 Relationships between photic driving, nicotine, and memory
G. L. Mangan, I. Colrain, Auckland

11.45 Effects of nicotine on serial memory search
R. West, Egham

12.05 Discussion

Posters

47 The influence of nicotine on CNS arousal during the menstrual cycle
L. Dye, N. Sherwood, J. S. Kerr, Bochum

48 Separate and combined effects of the social drugs on psychomotor performance
J. S. Kerr, N. Sherwood, I. Hindmarch, Guildford

49 Effects of nicotine gum on short-term memory
N. Sherwood, J. S. Kerr, I. Hindmarch, Guildford

50 Nicotine polacrilex gum and sustained attention
A. C. Parrott, D. Craig, M. Haines, G. Winder, London

51 Nicotine deprivation and nicotine reinstatement: Effects upon a brief sustained attention task
A. C. Parrott, G. Roberts, London

52 Concentrations of smoke constituents as related to nicotine yield, daily consumption, and individual smoking behavior
I. Höfer, K. Bättig, Zürich

53 Nicotine exposure and puffing behavior in the young habitual low-yield cigarette smokers
S. Kolonen, J. Tuomisto, P. Puustinen, M. M. Airaksinen, Kuopio

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54 Long-term use of "low nicotine yield" cigarettes
D. W. Sepkovic, S. G. Colosimo, C. M. Axelrad, N. J. Haley, Valhalla

55 Cotinine concentration in the serum of smokers within a representative population in Southern Germany measured in 1984/85 and 1987/88
W.-D. Heller, G. Scherer, J.-G. Gostomzyk, J. Stieber, F. X. Adlikofler, Karlsruhe and München

12.20-14.30

Poster Discussion

(Refreshments will be served.)

Session VII

Nicotine and Human Disease

Chairmen *F. J. C. Roe, London*
K. Kochsiek, Würzburg

14.30 Introduction

14.45 Nicotine and cardiovascular disease
N. L. Benowitz, San Francisco

15.05 Nicotine and smoking in patients with ulcerative colitis
R. V. Heatley, G. F. Cope, J. Kelleher, Leeds

15.25 Smoking and Parkinson's disease
R. Godwin-Austen, Nottingham

15.45 Nicotine and human cognition
B. J. Sahakian, G. M. M. Jones, R. Levy, J. A. Gray, D. M. Warburton, London, and Reading

16.05 Nicotinic receptors in brains of healthy individuals and Alzheimer patients as visualized *in vivo* by positron emission tomography and ¹¹C-methyl nicotine
A. Nordberg, Uppsala

16.25 Discussion

16.45-17.10 Coffee break

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Posters

56 Effect of nicotine on the elastinolytic activity of human lung tumor cells and human alveolar macrophages
G. Trefz, G. Klitsche, V. Schulz, W. Ebert, Heidelberg

57 The association between serum cotinine, cigarette smoking and blood pressure: The CARDIA Study
K. J. Ruth, N. J. Haley, L. E. Wagenknecht, G. D. Friedman, T. Manolio, K. Liu, Chicago, Valhalla, and Birmingham

58 Doppler flow measurements and smoking in pregnancy
W. Schmidt, W. Röhle, K. Ertan, Homburg/Saar

59 Cigarette smoking and platelets
R. Lassila, K. E. Laustiola, Helsinki

60 Abstention from smoking may increase the risk of ulcerative colitis by enhancing eicosanoid production
G. F. Cope, R. V. Heatley, J. Kelleher, Birmingham, and Leeds

61 Cigarette smoking influences eicosanoid production by the colonic mucosa in a dose dependent manner
G. F. Cope, R. V. Heatley, J. Kelleher, Birmingham and Leeds

62 Effects of smoking on benzo (α)pyrene and glutathione metabolizing enzymes in man
C. Bluhm, Düsseldorf

17.10–18.10 **Summaries**
Chairmen of the Sessions

18.10 **Concluding Remarks**
K. Thurau, München

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Venue

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Conference Bureau

The Conference Bureau will be in the Foyer of the Ballrooms.

Office hours: Thursday, June 28, 13:00–20:00 hours
Friday, June 29, 7:30–20:00 hours
Saturday, June 30, 7:30–19:00 hours

Registration

Registration will take place at the Registration Desk in the Conference Bureau.

Invited Lectures

Slides should be handed over to Mrs. Stoltze at the Registration Desk at least one hour before presentation.

Poster Presentation

Poster Presentation will take place in "Salon Lübeck". Posters should be attached to the screens on June 28, between 14:00 and 18:00 hours. Materials for displaying the posters will be available.

Manuscripts for Publication

Manuscripts for Publication should be handed over to Mrs. Hund at the Registration Desk during the Symposium. If this is not possible, they should be sent to the Conference Secretariat in Bonn. Deadline: July 15, 1990

Social Programme

Participants and their accompanying persons are invited to a buffet meal which will be served in "Ballroom II" on June 28, at 20:00 hours (informal dress). Interested persons can be offered a special Accompanying Persons' Programme. Information may be obtained in the Conference Bureau.

Conference Folder

On registration, participants will receive a Conference Folder containing the Final Programme, the Book of Abstracts and the List of Participants as well as the Identification Badge.

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